

DOW WEST VIRGINIA OPERATIONS - SOUTH CHARLESTON SITE
SOUTH CHARLESTON, WEST VIRGINIA

The Dow West Virginia Operations - South Charleston Site, of South Charleston, West Virginia, part of The Dow Chemical Company, manufactures chemicals, solvents, intermediates, and plastics. Several of the plants units are ISO-9002 registered. The facility has also been recognized with several environmental awards for their innovative environmental practices. The facility has set EH&S goals through 2005 helping to integrate business practices with environmental decisions to work towards a goal of no harm done to the environment.

AT A GLANCE:

Industry Sector:	NAICS 325199 NAICS 325193
Business:	manufactures chemicals, solvents, intermediates, and plastics
Facility Employees:	500-1,000
Accomplishments:	Reduced air emissions Reduced accidental releases Reduced accidental releases
Commitments:	Reduce total solid waste Reduce hazardous solid waste Reduce accidental releases Reduce total energy and water use
Address:	437 MacCorkle Avenue SW South Charleston, WV 25303
Web site:	www.dowwvo.com

ENVIRONMENTAL PERFORMANCE

Past Accomplishments

The Dow West Virginia Operations - South Charleston Site has demonstrated its commitment to environmental performance through reduced air emissions and accidental releases. Since 1999, the facility has:

- **Reduced air emissions** 69% by increased maintenance, including on CFC-containing equipment, and leak detection on several systems.
- **Reduced accidental releases** 45% by implementing a plan whereby systems are analyzed to determine the root cause of losses and are then improved upon.
- **Reduced accidental releases** by updating old underwater transfer lines with new, better protected lines, and one line was transferred above ground to reduce the likelihood of a leak.

Future Commitments

The Dow West Virginia Operations-South Charleston Site is working to reduce total solid waste, hazardous solid waste, accidental releases, and total energy and water use. By 2004, the facility will:

- **Reduce total solid waste 24%** through analyzing the current process to determine source reductions for materials thus reducing the quantity of waste material being generated.
- **Reduce hazardous solid waste 33%** by implementing improved process controls, waste segregation, and waste to fuel methods.
- **Reduce accidental releases 76%** by improved awareness among facility employees, developing action plans, increased facility upgrade projects, and process assessment.
- **Reduced total energy use 15% and total water use 17%** through a process modification which will remove service from one distillation column without reducing production.

COMMUNITY OUTREACH

The South Charleston Site is active in local community groups and in area schools. Important matters are announced to the public through an open house and safety fair, and through local planning groups. Their Annual Performance Report will be made available through the West Virginia Operations Public Report, the “Around Dow” newsmagazine, the “Our Dow” TV program and on the web at www.dowwvo.com